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SYRACUSE UNIVERSITY.

COLLEGE OF LIBERAL ARTS.

POST-GRADUATE
COURSES OF STUDY.

1884.

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To promote systematic and thorough culture, the Master's degree and the degree of Doctor of Philosophy will be conferred upon any Bachelor of Arts, of Science, or of Philosophy of any reputable college who shall comply with the following requirements.

Specimen courses of study are presented, which may be pursued by non-resident graduates. Equivalent courses in other departments may be arranged through correspondence. Any three of the groups or units designated by the Roman numerals, I, II, III, etc., provided they are selected from the same department, will be regarded as one year's study. The second year's work may at the option of the candidate be taken from a different department, except as otherwise indicated.

On passing a satisfactory examination in one year's study, a candidate will be entitled to the second degree, *i. e.*, a Bachelor of Science, of Philosophy, or of Arts, will be entitled to the corresponding Master's degree. After satisfactory examination on another year's course of study, selected as before explained, the degree of Ph. D. may be conferred. These degrees are offered to none but regular graduates of colleges, and the

Master's degree conferred *in cursu* or *causa honoris* will not be accepted as a substitute for the first year's post graduate study. In this University a study of Latin equivalent to four books of Cæsar is requisite for the degree of B. S., and the higher degrees will not be conferred upon any who are not thus qualified.

Before entering upon their studies, candidates for these degrees will furnish documentary evidence by diploma or otherwise, that the required Bachelor's degree has been received, and will matriculate by the payment of the matriculation fee and by furnishing to the Secretary of the Faculty, Prof. John R. French, the following items:—(1) Name in full, (2) residence, (3) age, (4) present occupation, (5) date of graduation, (6) from what college graduated, (7) degree received, (8) undergraduate course pursued (classical or otherwise), (9) post graduate course proposed. Blanks for this purpose will be furnished on application.

The candidate will appear at the University for examination at least two weeks before the annual commencement (the fourth Wednesday in June), and will present and defend a thesis of not less than four thousand words on some subject connected with the course of study pursued. Examinations upon the work of the two years may be taken at one time, or in two sections—each covering the work of one year—as may be desired; but examinations will not be given upon smaller fractions of the course.

Candidates for these degrees are requested to give to the Secretary of the Faculty, at least six weeks' notice of the subjects upon which they desire to be examined, and the time for such examination will then be arranged.

FEES.

Matriculation,-----	\$ 5.00
Examination, for each year's course,-----	20.00
Diplomas, each,-----	5.00

GREEK LANGUAGE AND LITERATURE.

FIRST YEAR.

I.

1. The Pheacians of Homer. *Merriam*. (Harper & Brothers).
2. Juventus Mundi. *Gladstone*. Or
Troja. *Schliemann*.
3. History of Classical Greek Literature. *Mahaffy*. Vol I.
(John Allyn).

II.

1. Selected Odes of Pindar, including the Introduction and the
Essay on the Dialect of Pindar. *Seymour*. (Ginn &
Heath).
2. Comparative Philology applied to Greek and Latin. *Papil-
lon*. (Macmillan & Co.)
3. History of Classical Greek Literature. *Mahaffy*. Vol. II.

III.

1. Medea of Euripides. *W. B. Smith*.
2. Theatre of the Greeks. *Donaldson*. (John Allyn).
3. Public Economy of the Athenians. *Boeckh*. (John Allyn).

SECOND YEAR.

I.

1. Thucydides' History of the Peloponnesian War. *Young*.
2. Orations of Lysias. *Whiton*.
3. Greece—Ancient and Modern. *Felton*.

II.

1. The Acharnians of Aristophanes. *Townshend*.
2. Æschines' Oration against Ctesiphon.
3. A thesis, comparing the Electra of Sophocles with the Chœ-
phori of Æschylus and the Electra of Euripides.

III.

1. Gorgias of Plato. *Woolsey*.
2. Christianity and the Greek Philosophy. *Cocker*.
3. Studies of the Greek Poets. *F. Addington Symonds*. (Har-
per & Brothers).

LATIN LANGUAGE AND LITERATURE.

I.

1. Plautus. *Miles Gloriosus*.¹ *Tyrrell*.
2. Plautus. *Mostellaria*.² *Morris*.
3. Terence. *Adelphœ*,³ or (Weale Series.² *Davies*).
4. Remnants of Early Latin.⁴ *Allen*.
5. Roman Poets of the Republic.¹ *Sellar*.
Read: *History of the Roman Drama*.² *Klein*.
Roman Tragedy during the Republic.² *Ribbeck*.
Lectures on the History of Rome.² *Niebuhr*.
Vol. ii, lecture lxx.
History of Rome.² *Mommsen*. Book iv, chap. xiii.

II.

1. Livy. Book I.¹ *J. R. Seeley*.
2. Ovid. *Metamorphoses*.² *Haupt*.
3. Cicero. *De Natura Deorum*.⁴ *Stickney*.
4. *History of Roman Literature*.² *Teuffel*. *Wagner's* translation, vol. i, pp. 1-226.
5. *Manual of Mythology*.² *Murray*. Or
Classical Mythology.² *Keightly*. Ed. Schmitz.
Read: *Lectures on the History of Rome*. *Niebuhr*.
Vol. i, lectures i-xi inclusive.
Introductory Lectures on the History of Rome.
Niebuhr. i-iii inc. and vii-ix inc.
Ten Great Religions.⁵ *Clarke*. Chap. viii.
History of the City of Rome.² *Dyer*.
History of Rome. *Mommsen*. Bk. i, chap. xii;
bk. ii, chap. viii; bk. iii, chap. xiii; bk. iv,
chap. xii; bk. v, chap. xii.

III.

1. Cicero. *De Oratore*.³ *Crowell*.
2. Quintilian. *Institutiones Oratoriæ*.⁶ *Frieze*. Books x and xii. Or
Selections from Quintilian.⁴ *Wheeler*.
3. Tacitus. *Dialogus de Oratoribus*.³
4. Horace. *Ars Poetica*.³ Or

- Cicero. Second Philipic Oration.¹ *Halm* ed. *Mayor*.
 5. History of Roman Literature. *Teuffel*. Vol. i.
 Read: History of Rome. *Mommsen*. Book v, chap. xii.
 Old Roman World.⁷ *Lord*.
 Civil and Literary Chronology of Rome.² *Clinton*.

IV.

1. Horace. Fourth Book of Odes, the Satires and Epistles.^{3 or 2}
 2. Selections from the Latin Poets.⁴ *Crowell*. Or
 Martial. Select Epigrams.¹ *Stephenson*.
 3. Latin Hymns.⁸ *March*. (*Douglass Series*). Or
 Sacred Latin Poetry.¹ *Trench*.
 4. Prosody, Versification.
 5. Composition of an Ode or Poem in Latin.
 Read: Rhythmic and Metric of the Classical Languages.⁴
Schmidt. (Trans. by *White*).
 Roman Poets of the Augustan Age.¹ *Sellar*.
 Lectures on the History of Rome. *Niebuhr*.
 Vol. iii, lectures cvi and cvii.

V.

1. Ovid. Fasti. *Hallam*¹ or *Paley*.²
 2. Catullus. Text and Notes.^{1 or 2} *Ellis*.
 5. Juvenal. Satires.³ Or
 Propertius. Select Elegies.¹ *Postgate*.
 4. Persius. Satires. *Conington* ed. *Nettleship*,¹ or *Gilder-*
sleeve,⁸ or *Hart*.²
 5. Prosody, Versification.
 6. Essay on the Roman Satire.¹ *Nettleship*.
 Read: Manual of Latin Prosody.⁹ *Ramsay*.
 Roman Poets of the Republic. *Sellar*. Chap. xv.
 History of Rome. *Mommsen*. Vol. iii, p. 550 foll.

VI.

1. Tacitus. *Historiæ*, Books i and ii. *Broadbent*¹ or *Simcox*
 vol. i² or *Tyler*.⁶
 2. Cæsar. De Bello Civili.¹ *Moberly*.

3. History of Roman Literature. *Teuffel*. Vol. ii.
4. Lectures on Ethnography and Geography.²
Schmitz's *Niebuhr*. Vol. ii.
5. Analysis of Roman History.² *Turner*.
Read: Credibility of Early Roman History.² *Lewis*.
Translation of Livy.² Vol. i. *Baker*.
Pompeii; its Buildings and Antiquities.² *Dyer*.

VII.

1. Cicero. Selected Letters.¹ *Pritchard and Bernhard*.
2. Pliny. Letters. *Peck*⁴ or *Holbrooke*.²
3. Ovid. Heroidum Epistolæ¹, xiii. *Shuckburgh*. Or
Catullus. Select Poems.¹ *Simpson*.
4. Roman Life.⁶ *Guhl and Koner*.
Read: Modern Philology.⁷ *Dwight*. Vol. i.
History of Rome. *Mommsen*. Book iii, chap.
xiii; book iv, chap. xii.
Essay on the Philosophy of Roman History.
De Quincey.

VIII.

1. Lucretius. De Rerum Natura.² *Munro*.
2. Cicero. Academica.¹ *Reid*. And De Natura Deorum.⁴
Stickney.
3. Gallus, especially the Excursuses.² *Becker*.
4. Greek and Latin Etymology. *Piele*.¹ Or
Manual of Comparative Philology.¹ *Papillon*. Or
Latin Prose. *Arnold*. Part II.
Read: A Sketch of Ancient Philosophy.¹ *Mayor*.
History of Ancient and Medieval Philosophy.⁷
Ueberweg. (Trans. by *Morris*.) Secs. 52-61.
Oriental and Linguistic Studies, 2d Series. The
East and West; Religion and Mythology.
Whitney.
On the Ablaut of Greek Roots, etc. *Bloomfield*.
American Journal of Philology, vol. i, No. 3.

IX.

1. Seneca. Moral Essays.⁸ *Hurst & W.* Or
Suetonius. Lives of Roman Emperors.¹ *Bramwell.*
 2. Tertullian. Select Works.⁸ (*Douglass Series.*)
 3. Latin Selections.² *Smith.*
 4. Lectures on Roman Law.⁶ *Hadley.*
- Read: The Cæsars. *De Quincey.*
The Roman and Teuton.¹ *Kingsley.*
The Imperfect and Pluperfect in the Roman
Folk-Speech. *Fay. American Journal of
Philology*, vol. i, No. 4.
Catacombs of Rome. *Withrow.*

THESES.

Two Theses are required: 1. The one required in the Introductory note; subject, The Causes of Rome's National and Literary Decline. Choice of the following subjects for the second Thesis: 1. The Mythical Element in Roman Literature.
2. Roman Art.

REFERENCE WORKS.

New Classical Dictionary.² *Smith.*
Dictionary of Greek and Roman Antiquities.² *Rich.*
Manual of Roman Antiquities.² *Ramsay.*
Manual of Ancient Geography.² *Schmitz.*
Hand-book of Archæology.² *Westropp.*
Archæology of Rome.² *Parker.*
Rome and the Campagna.² *Burn.*
Bibliographical Clue to Latin Literature.¹ *Hubner and
Mayor.*

The books in the above list may be ordered as indicated by the small numerals, thus:

¹ Macmillan & Co., London, or 22 Bond street, New York.

² John Allyn, 30 Franklin street, Boston, Mass.

³ Eldredge & Bro., Philadelphia, Pa.

⁴ Ginn, Heath & Co., 9 and 13 Tremont Place, Boston.

⁵ Houghton, Mifflin & Co., Boston, Mass.

⁶ D. Appleton & Co., New York.

⁷ Scribner, Armstrong & Co., New York.

⁸ Harper & Brothers, Franklin Square, New York.

⁹ B. Westermann & Co., 838 Broadway, New York.

Or of any bookseller in Syracuse.

FRENCH LANGUAGE AND LITERATURE.

I.

1. Grammaire Française. *Martin.*
2. Histoire de la Littérature Française. *Demogeot.*
3. Medée (or some other tragedy), by *Corneille.*

II.

1. Grammaire des Grammaires. *Gerault-Duvivier.*
2. Méditations Poétiques. *Lamartine.*
3. Céleste. *Gozlau.*

III.

1. Grammaire Historique de la Langue Française. *Brachet.*
2. Littérature Moderne Française. *Vericourt.*
3. Iphigénie (or some equivalent tragedy), by *Racine.*

IV.

1. Französische Grammatik. *Mätzner.*
2. Histoire de la Langue Française. *Littre.*
3. Several of *Molière's* Comedies.

V.

1. Syntax der Neufranzösischen Sprache. *Mätzner.*
2. Lectures choisées de la Littérature Française. *Staaf.*
3. Notre Dame de Paris. *Victor Hugo.*

VI.

1. Grammatik der Romanischen Sprachen. *Dietz.*
2. Manuel du Vieux Français. *Bartsch.*
3. Esprit des Lois. *Montesquieu.*

GERMAN LANGUAGE AND LITERATURE.

I.

1. Deutsche Schulgrammatik. *Heyse.*
2. Geschichte der Deutschen Literatur. *Weber.*
3. One of *Goethe's* or of *Schiller's* Tragedies.

II.

1. Die Sprache der Deutschen. *Davin.*
2. Deutsche Schulgrammatik. *Becker.*
3. Geschichte de Dreissigjährigen Krieges, (or its equivalent in classical German prose). *Schiller.*

III.

1. Geschichte der Deutschen Sprache. *Grimm.* 2 vols.
2. Das Landhaus am Rhein. *Auerbach.*

IV.

1. Deutsche Grammatik. *Grimm.*
2. Altdeutsches Lesebuch. *Wackernagel.*

V.

1. Geschichte der Deutschen Literatur. *Kurtz.* Vols. 1 and 2.
2. Neuhochdeutsche Wortbildung. *Feteles.*

VI.

1. Geschichte der Deutschen der Literatur. *Kurtz.* Vols 3 and 4.
2. Philosophisch-Historische Grammatik der Deutschen Sprache.
Westphal.
3. Deutsche Gedichte. *Eckstein.*

ENGLISH LITERATURE.

A.

I.

1. Handbook of Anglo-Saxon and Early English. *Corson*.
2. Chaucer. *Morley*. With critical commentary on The Knight's Tale, and Leaf and Flower.
3. Early English Literature *Washburn*.

II.

1. Lectures on the English Language. *Marsh*.
2. Spenser. *Morley*. With critical commentary on the Faerie Queene.
3. History of English Literature. *Taine*. Vol. i to chap. iii in book ii.

III.

1. Dramatic Literature. *Schlegel*.
2. Critical Commentary on Shakspeare's Hamlet, King Lear, Julius Cæsar, Mid-Summer Night's Dream.
3. Reliques of Ancient English Poetry. *Percy*.

B.

I.

1. History of English Literature. *Taine*. Vol. i completed.
2. Essay on Milton. *Macaulay*. With critical study of Samson Agonistes.
3. A critical study of *Pope's* Essay on Man.

II.

1. History of English Literature. *Taine*. Vol. ii, books iii and iv.
2. De Foe. *Morley*.
3. Hallam's Literature of Europe. *Hallam*.

III.

1. History of English Literature. *Taine*. Completed.
2. Examination of the Character and Literary works of Scott, Byron, Burns, Carlyle, Thackeray and Tennyson.
3. Written Review (3,000 to 5,000 words) on American Literature; Historians, Poets, Essayists, Novelists, Humorists, and Magazine Literature, preparatory to a general examination on American Literature.

MATHEMATICS.

[The entire works named are included unless otherwise indicated.]

I.

Plane and Spherical Trigonometry. *Chauvenet.*

Analytical Geometry of two and three dimensions. *Church* or
Johnson.

II.

Analytical Geometry. *Howison, unabridged.*

III.

Differential Calculus. *Rice and Johnson, unabridged.*

IV.

Integral Calculus. *Byerly.*

V.

Analytical Mechanics. *Bartlett,*

VI.

Acoustics and Optics. *Bartlett.*

VII.

Spherical and Practical Astronomy. *Chauvenet.* Vol. i to
Eclipses.

VIII.

Spherical and Practical Astronomy. *Chauvenet.* Vol. i, com-
pleted.

IX.

Elements of Quaternions. *Hardy.*

X.

Theory of Determinants. *Scott.*

ESTHETICS AND HISTORY OF THE FINE
ARTS.

I.

1. Graphic Arts. *Hammerton.*
2. History of Art. *D'Anvers.*
3. History and Practice of Art. *Scott.*
4. Life of Michael Angelo. *Grimm.*

II.

1. Populäre Esthetik. *Lemcke.*
2. History of Art. *Lübke.*
3. History of Ancient Art. *Reber.*
4. Life of Holbein. *Woltmann.*

III.

1. History of Painting. *Woltmann and Woermann.*
2. History of Sculpture. *Westmacott.*
3. Stones of Venice. *Ruskin.*

IV.

1. Esthetik. *Bayer (or Köstlin).*
2. Geschichte der Christlichen Kunst. *Petzo.*
3. History of Painting. *Viardot.*

V.

1. Geschichte der Architektur. *Lübke.*
2. “ “ Plastik. “
3. Histoire de l'Art Grecque. *Beule.*
4. Geschichte der Aesthetik. *Lotze.*

VI.

1. History of Painting in Italy. *Crowe and Cavalcaselle.*
2. History of Architecture. *Ferguson.*
3. Book of the Artists. *Tuckermann.*
4. Le Génie des Peuples dans les Arts. *Valmy.*

CHEMISTRY.

I.

1. Chemistry. *Fowne* (by *Bridges*) from the commencement of Part II to the end of the volume.
2. Qualitative Chemical Analysis. *Fresenius*.
3. Religion and Chemistry. *Cooke*.

II.

1. Chemical Physics. *Cooke*.
2. Chemical Manipulations. *Morfit*.
3. Chemical Technology. *Wagner*.
4. Chemical Philosophy. *Cooke*.

III.

1. Chemical Analysis of Medicine. *Hoffman*.
2. Quantitative Chemical Analysis. *Fresenius*.
3. Chemistry. *Roscoe and Schorlemmer*. 3 vols.

IV.

1. Industrial Chemistry. *Payne*.
2. Commercial Hand-book of Chemical Analysis. *Normandy*.
3. Manual of Blowpipe Analysis. *Richter and Cornwall's Platner*.

V.

1. Chemistry. *Wurtz*.
2. Chemist's Manual. *Mott*.
3. Organic Chemistry. *Miller*.

Read: History of Chemistry. *Wurtz*.

Chemical History of a Candle. *Faraday*.

Chemistry of Common Life. *Fohnston*. First and 2d vols.

Farmer's Light House. *Kent*.

PHYSICAL SCIENCE.

I.

1. Heat a Mode of Motion. *Tyndall.*
2. Forces of Heat, Light and Electricity. *Pynchon.*
3. Electricity and Magnetism. *Gordon.*

II.

1. Popular Lectures on Science. *Helmholtz.*
2. Earth and Man. *Guyot.*
3. Physical Basis of Mind. *Lewes.*

III.

1. Biology. *Nicholson.*
2. The Earth. *Reclus.*
3. Telephone and Phonograph. *Prescott.*

IV.

1. Early History of Mankind. *Tylor.*
2. Anthropology. *Topinard.*
3. The Races of Man. *Peschel.*

V.

1. Studies in Spectrum Analysis. *Lockyer.*
2. The Spectroscope. *Schellen.*
3. Meteorology. *Loomis.*

VI.

1. Physiology. *Draper, Foster or Carpenter.*
2. Physiology of Common Life. *Lewes.* Vols. i and ii.
3. History of a Mouthful of Bread, and Servants of the Stomach.
Mace.

VII.

1. Insects Injurious to Vegetation. *Harris.*
2. Guide to the Study of Insects. *Packard.*
3. Philosophy of Natural History. *Ware and Smellie.*

VIII.

1. Man and Nature. *Marsh.*
2. Natural History of Man. *Pritchard.*
3. Human Race. *Figuier.*

IX.

1. How to Work with the Microscope. *Beal.*
2. Microscopical Technology. *Frey.*
3. The Microscope and its Applications. *Hogg.* Or,
The Microscope and its Revelations. *Carpenter.*
Read: Plants and Animals under Domestication. *Darwin.*
History of Creation. *Haeckel.*
Recent Origin of Man. *Southall.*
Theistic Conception of the World. *Cocker.*
Physical Geography of the Sea. *Maury.*

GEOLOGY.*

I. Dynamic Geology.

1. Principles of Geology.¹ *Lyell*. Vol. i, pp. 103-655. Vol. ii entire.
2. Elements of Geology.¹ *Le Conte*. Pp. 1-163.
3. Manual of Geology.² *Dana*. Pp. 605-844.
4. Text Book of Geology.³ *Geikie*. Pp. 195-473.

II. Mineralogy.

1. College Chemistry.⁴ *Barker*. Pp. 1-86 with the problems.
2. Text Book of Mineralogy.⁵ *E. S. Dana*.
3. Blowpipe Analysis.⁶ *Nason*. Or,
Blowpipe Analysis.⁵ *Brush*.
4. Collection of fifty mineral species, using for determinations:
Mineral Tables.⁷ *Foye*.
Manual of Mineralogy.⁵ *F. D. Dana*.
5. To these add *one* elective.†

† See below ; also notes at end of course.

III. Lithology.

1. Manual of Geology.² *Dana*. P. 47-79.
2. Manual of Mineralogy.⁵ *Dana*. Pp. 409-456.
3. Text Book of Geology.³ *Geikie*. Pp. 30-194 ; 474-602.
4. Collection and determination of 100 lithological specimens.
5. To these add *one* elective.

* Give careful attention to the notes at the end of the course.

IV. Palæontology.

1. Elements of Geology.¹ *Le Conte*. Pp. 277-613.
2. Manual of Palæontology. *Nicholson*.
3. Collection of fifty species of fossils.
4. Preparation of a series of ten drawings of fossils, with original descriptions.

V. Stratigraphic Geology.

1. Manual of Geology.² *Dana*. Pp. 79-114.
2. Text Book of Geology.³ *Geikie*. Pp. 603-909.
3. To these add *two* electives.

VI. Detailed Study of some Epoch, Period or Age of Geologic History.

(Suitable works will be recommended on announcement of subject).

VII. Systematic Study of some Group of Organic Remains

As the *Crustacea*, *Brachiopoda*, *Ungulata*, Birds, Ferns, or even a more limited group, as the *Odontorniths*, *Eozoon*, etc.

(Suitable works will be recommended on announcement of subject).

VIII. Geologic Succession of Species and its Relation to the Doctrine of Derivation.

Geologic Succession of Species and its Relation to the Doctrine of Derivation.

1. Manual of Geology.² *Dana*. Pp. 160-1, 208-10, 252-3, 288-9, 381-8, 482-6, 588-604.
2. Elements of Geology.¹ *Le Conte*. Pp. 291-3, 298-9, 339-345, 358-375, 440-451, 517-534.
3. Text Book of Geology.³ *Geikie*. Pp. 623-627.

4. Doctrine of Evolution.⁸ *Winchell*.
5. Sparks from a Geologist's Hammer.⁹ *Winchell*. Pp. 301-357.
6. On the Hypothesis of Evolution.¹⁷ *Cope*.
7. The Origin of Species.¹ *Darwin*.
8. *Naturliche Schöpfungsgeschichte* ¹³ (or English translation ¹).
Haeckel.
9. To these add *one* elective.

IX. Coal and Metalliferous Deposits of the United States.

1. Manual of Geology.² *Dana*. Pp. 351-66, 770-82.
2. Elements of Geology.¹ *Le Conte*. Pp. 234-249, 345-392.
3. Coal Regions of America.¹ *Macfarlane*.
4. Mining Industry.¹⁴ *King*.
5. Mineral Resources of the United States.¹⁰ *Williams*.
6. Thesis representing the actual survey of some mining locality, with special attention to methods employed; to be accompanied with drawings, diagrams, maps and collections.

X. Geologic Climates.

1. Manual of Geology.² *Dana*. Pp. 209, 253, 289, 480, 526.
2. Principles of Geology.¹ *Lyell*. Vol. i, pp. 143-297.
3. The Great Ice Age.¹ *Geikie*.
4. Climate and Time.¹ *Croll*.
5. To these add *two* electives.

XI. Geology of New York.*

1. Guide to the Geology of New York State.¹⁴ *Lincklaen*. (Appendix to 14th Regent's Report on State Cabinet).
2. Geology of New York.¹⁴ *Hall, Emmons, Vanuxem, Mather*. Vols. i-iv.

* The Geology of any other state or province may be selected, when suitable works will be recommended.

3. Palæontology of New York.¹⁴ *Hall*. Vols. i-v.
4. Preparation of a map by counties, showing geologic formations and hydrography.
5. Collection of a series of rocks and fossils representing the characteristic formations and organic remains.

XII. Relation of Science to Philosophy and Religion.

1. Manual of Geology.² *Dana*. Pp. 845-50.
2. Natural Science and Religion.¹⁸ *Gray*.
3. Religion and Science.¹ *Le Conte*.
4. Six Days of Creation.¹⁹ *Lewis*.
5. Reconciliation of Science and Religion.⁸ *Winchell*.
6. Theistic Conception of the Universe.⁸ *Cocker*.
7. To these add *one* elective.

ELECTIVES.

I. Outlines of Palæontology.*

1. Elements of Geology.¹ *Le Conte*. Pp. 277-613.
2. Ancient Life History of the Earth.¹ *Nicholson*.

II. Outlines of Mineralogy and Lithology.*

1. Manual of Geology.² *Dana*. Pp. 47-79.
2. Manual of Mineralogy.⁵ *Dana*.
3. Collection and determinations of 50 species of minerals and rocks.

III. Outlines of the Doctrine of Derivation.*

1. Elements of Geology.¹ *Le Conte*. Pp. 291-3, 298-9, 339-45, 358-75, 440-51, 517-34.
2. Doctrine of Evolution.⁸ *Winchell*.
3. On the Hypothesis of Evolution.¹⁷ *Cope*.

IV. Chemical Geology.

1. Chemical and Geological Essays.¹¹ *Hunt*.

V. Microscopic Investigations.

1. Microscopic Petrography.¹⁴ *Zirkel*.
2. Preparation of a series of ten microscopic slides, illustrating rock sections.

VI. Mountain Making.

1. Elements of Geology.¹ *Le Conte*. Pp. 250-271.
2. Manual of Geology.² *Dana*. Pp. 782-825.
3. Chemical and Geological Essays.¹¹ *Hunt*. Pp. 49-58, 239-282.
4. Geology of the Henry Mountains.¹⁴ *Gilbert*.

* These shorter courses are intended only for those candidates who do not select the longer courses in the same subjects, viz.: Units II, III, IV, VIII.

VII. Geology of Petroleum.

1. Sketches of Creation.⁸ *Winchell*. Pp. 272-293.
2. Elements of Geology.¹ *Le Conte*. Pp. 388-392.
3. Chemical and Geological Essays.¹¹ *Hunt*. Pp. 168-182.

VIII. Economic Geology.

Thesis of not less than 3,000 words, representing the results of actual investigations concerning the nature and quality of some economic product.

IX. Comparative Geology.

1. World Life.⁹ *Winchell*.

X. Physiographic Geology.

1. Manual of Geology.² *Dana*. Pp. 1-46.
2. Text Book of Geology.³ *Geikie*. Pp. 910-928.
3. Physiography.¹ *Huxley*.

XI. Man in the Light of Geology.

1. Elements of Geology.¹ *Le Conte* Pp. 586-601.
2. Manual of Geology.² *Dana*. Pp. 573-579.
3. Early Man in Europe.⁸ *Rau*.
4. Prehistoric Times.¹ *Lubbock*.

XII. History of Geologic Science.

1. Principles of Geology.¹ *Lyell*. Vol. i, pp. 1-102.
2. History of the Inductive Sciences.²¹ *Whewell*. Books xvi-xvii.

NOTES.

Candidates entering the course in Geology are expected to be prepared in the general elements of Geology and Zoology, at least as far as treated in Dana's Text Book of Geology,² and Orton's Comparative Zoology.⁸ Winchell's Sketches of Creation,⁸ and Dawson's Story of the Earth and Man,⁸ are recommended preparatory to entering the course. In pursuing the course, Units III and IV naturally follow Unit II, and must be preceded by it. In the same way Units IV and V must precede Units VI, VII and VIII; Unit V must also precede Unit XI.

In addition to the completion of six units, the candidate for the degree of Ph. D. will be expected to make an actual survey of some county, river course or line of railroad, and present as a final thesis, (1) A series of field notes made in the survey. (2) A report of the lithology, geology and palæontology of the survey, drawn up in business like order, and containing not less than 5,000 words. (3) Maps and diagrams showing the formations studied. (4) A numbered series of rocks and fossils with notes thereon.

Books in the above course may be ordered as indicated by the small numerals as follows:

- ¹ D. Appleton & Co., New York.
- ² Ivison, Blakeman, Taylor & Co., New York.
- ³ Macmillan & Co., New York.
- ⁴ John P. Morton & Co., Louisville, Ky.
- ⁵ John Wiley & Sons, New York.
- ⁶ Porter & Coates, Philadelphia.
- ⁷ Jansen, McClurg & Co., Chicago.
- ⁸ Harper & Brothers, New York.
- ⁹ S. C. Griggs & Co., Chicago.
- ¹⁰ Director U. S. Geol. Survey, Washington.
- ¹¹ S. E. Cassino & Co., Boston.
- ¹² Henry Holt & Co., New York.
- ¹³ R. Friedländer und Sohn, 11 Carlstrasse, Berlin, Germany.
- ¹⁴ Out of print. Apply to A. E. Foote, 1223 Belmont ave., Philadelphia.
- ¹⁵ Director Botanic Garden, Cambridge, Mass.
- ¹⁶ Director Illinois Laboratory Natural History, Champaign, Ill.
- ¹⁷ C. C. Chatfield & Co., New Haven, Ct.
- ¹⁸ Chas. Scribner's Sons, New York.
- ¹⁹ Robert Carter & Bro., New York.
- ²⁰ Rev. Francis Wolle, Bethlehem, Pa.
- ²¹ John W. Parker & Son, West Strand, London, England.
- ²² J. B. Lippencott & Co., Philadelphia.
- ²³ Hardwicke & Co., London, England.

ZOOLOGY.*

I.

1. Zoology.¹² *Packard*. Pp. 1-388.
2. Elements of Comparative Anatomy.³ *Gegenbaur*. Pp. 1-407.
3. Anatomy of the Invertebrated Animals.¹ *Huxley*.
4. Handbook of Invertebrate Zoology.¹¹ *Brooks*.

II.

1. Zoology.¹² *Packard*. Pp. 389-630.
2. The Cat.¹⁸ *Mivart*.
3. Elements of Comparative Anatomy.³ *Gegenbaur*. Pp. 408-624.
4. Anatomy of the Vertebrated Animals.¹ *Huxley*.

III.

1. Insects Injurious to Vegetation.¹¹ *Harris*.
2. Guide to the Study of Insects.¹² *Packard*.
3. Collection of one hundred and fifty species of insects illustrating all orders.

IV.

Systematic study of some order or family of insects, or a special study of the insects injurious to some particular form of vegetation.

(Works of Reference will be given on announcement of subject.)

V.

1. Life Histories of Animals.¹² *Packard*.
2. Comparative Embryology.³ *Balfour*. 2 vols.
3. Collection of a series of fifty embryos with notes thereon.

VI.

1. The Skeleton and the Teeth.¹⁴ *Owen*.
2. Osteology of the Mammalia.³ *Flower*.

* For explanation of numerical references see notes at the end of the course in Geology.

3. Preparation of an entire Skeleton.
4. Systematic Ornithology* with collection and list of the birds found in some limited region as a township or county, using for determinations :—

1. Manual of the Vertebrates.⁷ *Jordan.*
2. Key to the North American Birds.¹¹ *Coues.*

VII.

1. Monograph of the Rhizopoda.¹⁴ *Leidy.*
2. Monograph of the Infusoria.¹³ *Saville-Kent.*
3. A Fauna and Flora within Living Animals.¹⁴ *Leidy.*
4. Parasitic Entozoa.¹³ *Cobbold.*

VIII.

1. Hypothesis of Evolution.¹⁷ *Cope.*
2. The Genesis of Species.¹ *Mivart.*
8. Natural Selection.³ *Wallace.*
4. Origin of Species.¹ *Darwin.*
5. Naturliche Schöpfungsgeschichte,¹³ (or English Tr.¹) *Haeckel.*
6. The Geographical Distribution of Animals.⁸ *Wallace.*
7. Island Life.⁸ *Wallace.*

IX.

1. Races of Men.¹ *Peschel.*
2. Preadamites.⁹ *Winchell.*
3. Recent Origin of Man.²² *Southall.*
4. Prehistoric Races of the United States.⁹ *Foster.*
5. Anthropology.¹ *Tylor.*
6. Prehistoric Times.¹ *Lubbock.*
7. Man's Place in Nature.¹ *Huxley.*
8. The Cranial Affinities of Man and the Apes.¹⁷ *Virchow.*
9. Anthropogenie,¹³ (or English Tr.¹). *Haeckel.*
10. Descent of Man.¹ *Darwin.*

* Any other vertebrate or invertebrate group as the Reptilia, Fishes, Mollusca or Crustacea, may be selected when suitable works of reference will be given.

BOTANY.*

I.

1. Botany for Schools.¹² *Bessey*. Pp. 1-165.
2. Lehrbuch der Botanik,¹³ (or English Tr³). *Sachs*. Pp. 1-206.
3. Preparation of a series of drawings illustrating the entire minute anatomy of a single plant.
4. Preparation of a series of fifty microscopic slides illustrating the various vegetable tissues and structures, using for laboratory guides:—
Vegetable Histology.¹¹ *Penhallow*.
Botanical Micro-Chemistry.¹¹ *Poulsen and Trelease*.

II.

1. Elementary Biology.³ *Huxley and Martin*.
2. Botany for Schools.¹² *Bessey*. Pp. 166-201.
3. Lehrbuch der Botanik,¹³ (or English Tr³). *Sachs*. Pp. 587-847.
4. Die Befruchtung der Blumen,¹³ (or English Tr³). *Müller*.
5. Thesis of not less than 3,000 words embodying the results of practical investigation in vegetable life or growth.

III.

1. Botanical Text Book.³ *Gray*.
2. Botany for Schools.¹² *Bessey*. Pp. 389-565.
3. Lehrbuch der Botanik,¹³ (or English Tr³). *Sachs*. Pp. 421-585.
4. Preparation of a series of twenty plates illustrating the complete flower structure of as many genera of flowering plants.

* Candidates entering on this course are supposed to be prepared in Bessey's Essentials of Botany¹⁴ and to be able to determine ordinary flowering plants.

5. Collection of three hundred named and mounted species of flowering plants, using for determinations :—
Manual of Botany.² *Gray*.*

IV.

1. Botany for Schools.¹² *Bessey*. Pp. 295-310, 341-360, 361-388.
2. Lehrbuch der Botanik,¹³ (or English 'Tr³). *Sachs*. Pp. 262-273, 292-334, 335-421.
3. Thesis of not less than 1,500 words accompanied by drawings illustrating the life history of some pteridophyte, gained from original study.
4. Collection of one hundred and fifty named and mounted species of ferns, mosses and lichens, using for determinations :—

Our Native Ferns and their Allies.¹¹ *Underwood*.

Manual of the Ferns of North America.¹¹ *Lesque-
reux and James*.

Descriptive Catalogue of the North American Hepaticæ.¹⁶ *Underwood*.

Genera Lichenum.¹¹ *Tuckerman*.

North American Lichens.¹¹ *Tuckerman*.

V.

1. Guide to British Fungi.²³ *Cooke*.
2. Rust, Smut, Mildew and Mould.²³ *Cooke*.
3. Botany for Schools.¹² *Bessey*. Pp. 207-211, 235-241, 258-264, 278-331.
4. Lehrbuch der Botanik,¹³ (or English 'Tr.³) Pp. 238-278.

* In case the candidate is studying in some part of the country not included in the limits of this work other works will be recommended as :—

Flora of the Southern States.² *Chapman*.

Synopsis of the Flora of Colorado.¹⁴ *Porter and Coulter*.

Botany of California.¹⁰ *Watson*.

5. Thesis of not less than 2,500 words embodying the results of study of some form of injurious fungi.
6. Collection of one hundred species of fungi using for determinations :—

Handbook of British Fungi.¹³ *Cooke.*

Reports of State Botanist [of New York].¹⁴ *Peck.*

VI.

1. Sea Mosses.¹¹ *Hervey.*
2. Botany for Schools.¹² *Bessey.* Pp. 215-235, 243-254, 264-278, 331-334.
3. Lehrbuch der Botanik,¹³ (or English Tr.³) Pp. 108-237, 278-291.
4. Collection of a series of fifty named and mounted Marine Algæ, using for determinations :—
Marine Algæ of New England.¹¹ *Farlow.*
Nereis Boreali Americana.¹⁴ *Harvey.*
5. Collection of a series of fifty fresh water Algæ, using for determinations :—

A contribution to the History of the Fresh Water Algæ of North America.¹⁴ *Wood.*

Desmids of the United States.²⁰ *Wolle.*

Note.—For explanation of numerical references see notes at the end of the course in Geology.

HISTORY.

A. ANCIENT HISTORY.

I.

1. History of Greece. *Grote*. Part I and Part II to Chap. 48, omitting Chaps. 17, 18, 19, 20.
2. Five Great Monarchies. *Rawlinson*.
3. History of Rome. *Mommsen*. Books I, II. Or
4. History of Rome. *Ihne*. Vol. I.
5. History of Égypt. *Brugsch*.

II.

1. History of Greece. *Grote*. Chaps. 48 to 75 inclusive.
2. History of Rome. *Mommsen*. Books III, IV. Or *Ihne* Vol. II.
3. Politics. *Aristotle*.
4. History of Philosophy. *Ueberweg*. Vol. I, (Morris' Translation) to p. 259.
5. The Ancient City. *Coulanges*.

III.

1. History of Greece. *Grote*. Chaps. 76 to 98 inclusive.
2. History of Rome. *Mommsen*. Book V. Or
3. History of Rome. *Ihne*. Vol. III.
4. Federal Government. *Freeman*. Vol. I. Chaps. 1 to 10.
5. History of Greek Literature. *Mahaffy*.
6. Ancient Law. *Maine*.

IV.

1. History of Rome. *Merivale*. First 22 Chaps.
2. History of Philosophy. *Ueberweg*. (Morris' Trans.) Vol. I. Pp. 261-484.
3. Ancient Art and its Remains. *Müller*. (Leitch's Trans). Part I, to p. 260. Or
4. Art-Archæology. *Westropp*. First half.
5. Public Economy, &c. *Boeckh*. Books I, II.

V.

1. History of Rome. *Merivale*. Chaps. 23 to 50 inclusive.
2. Church History. *Neander*. Vol. I. Or
3. History of the Christian Church. *Schaff*. Vol. II.
4. Art-Archæology. *Westropp*. Last half.
5. History of Architecture. *Fergusson*. Part II.
6. History of Roman Literature. *Teuffel*. Or
7. The Roman Poets of the Republic. *Sellar*.

VI.

1. History of Rome. *Merivale*. Chaps. 51 to 78.
2. History of the Christian Church. *Schaff*. Vol. III.
3. Decline and Fall, etc. *Gibbon*. Chaps. 1 to 24 inclusive.
4. History of Roman Law. *Hadley*. Or
5. Studies in the Roman Law. *Mackenzie*.
6. Catacombs of Rome. *Withrow*.

In connection with this course such works as *Eber's* Uarda, *Becker's* Charicles, and Gallus, *Kingsley's* Hypatia, *Macaulay's* Lays of Ancient Rome, with Introduction, *Ware's* Zenobia, *Wiseman's* Fabiola, etc., may be read with profit.

B. GENERAL HISTORY OF THE WEST.

I.

1. History of Greece. *Curtius*. First half.
2. History of Philosophy. *Ueberweg*. (Morris' Translation).
Vol. I. Pp. 15-259.
3. History of Rome. *Mommsen*.
4. History of Federal Government. *Freeman*. Chaps. 1, 2, 3,
4, 5, 6.
5. Ancient Art and its Remains. *Müller*. (Leitch's Translation). Part I, to p. 260. Or
6. Art-Archæology. *Westropp*. First half.

II.

1. History of Greece. *Curtius*. Finished.
2. History of Rome. *Merivale*. Vols. I, II.
3. The Ancient City. *Coulanges*.
4. History of Philosophy. *Ueberweg*. (Morris' Translation).
Vol. I, from p. 264.
5. History of Architecture. *Fergusson*. Part I.
6. History of the Christian Church. *Schaff*. Vol. II.

III.

1. The Fall of Rome and the Rise of the New Nationalities.
Sheppard.
2. Decline and Fall, etc. *Gibbon*. Chaps. 49, 50, 58, 59, 60,
61, 62, 69, 70.
3. Roman Law. *Hadley*. Or
4. Studies in the Roman Law. *Mackenzie*.
5. History of England. *Green*. Vols. I, II.

6. History of Art. *Lübke*. Book III.
7. The Holy Roman Empire. *Bryce*.

IV.

1. The Period of the Reformation. *Haüsser*.
2. History of the Rise of the Huguenots in France. *Baird*.
3. History of the Struggle for Parliamentary Government in England. *Bisset*.
4. History of the United States. *Hildreth*. Vols. I, II, III.
5. History of Modern Philosophy. *Cousin*. Vol. II. Lectures 9, 10, 11, 12.
- 6 History of Art. *Lübke*. Book IV. Chaps. 1, 2, 3, 4, 5.
7. History of Russia. *Rambaud*.

V.

1. Geschichte des Siebenjährigen Kriegs. *Schäfer*. Or
2. Seven Years' War. *Ranke*. Or
3. Frederick the Great. *Carlyle*.
4. History of England in the 18th Century. *Lecky*.
5. Constitutional History of England. *May*. First 9 Chaps.
6. History of the United States. *Hildreth*. Vols. IV, V, VI.
7. History of Modern Philosophy. *Cousin*. Vol. III. Lectures 13-25.

VI.

1. French Revolution. *Mignet*.
2. Life and Times of Stein. *Seeley*.
3. Constitutional History of England. *May*. Last 9 Chaps.
4. History of Our Own Times. *McCarthy*.
5. History of the Constitution of the United States. *Bancroft*.
6. Philosophy of History. *Flint*. Vol. I.

Works like *Becker's* Charicles, and Gallus, *Kingsley's* Hypatia, *Ware's* Zenobia, and *Wiseman's* Fabiola, may be read with profit in connection with I and II; *Scott's* Ivanhoe, Talisman, and Quentin Durward, with III; *George Eliot's* Romola, *Mrs. Charles' Schönberg-Cotta* Family, *Thackeray's* Henry Esmond, and *De Vigny's* Cinq Mars, and *Scott's* Waverly, with IV and V; *Thackeray's* Virginians, *Bungener's* The Priest and the Huguenot, *Dickens' Tale of Two Cities*, *George Eliot's* Adam Bede, and some of the *Erckmann-Chatrian* series with V and VI.

C. MODERN HISTORY OF WESTERN
EUROPE.

I.

1. Constitutional History of England. *Stubbs*.
2. Decline and Fall, etc. *Gibbon*. Chaps. 69 and 70.
3. A View of Society in the Middle Ages. *Robertson*, in his History of Charles V.
4. Ferdinand and Isabella. *Prescott*.
5. Divina Commedia. *Dante*.

II.

1. History of Charles V. *Robertson*.
2. History of Philip II. *Prescott*.
3. The Period of the Reformation. *Haüser*.
4. History of France. *Stephen*. Lectures 1-12.
5. History of England. *Green*. Vol. I.
6. Constitutional History of England. *Hallam*. Chaps. 1-3.

III.

1. History of England. *Green*. Vol. II.
2. Rise of the Huguenots in France. *Baird*.
3. Rise of the Dutch Republic. *Motley*.
4. Constitutional History of England. *Hallam*. Chaps. 4-7.
5. History of France. *Stephen*. Lectures 13-17.

IV.

1. History of England. *Green*. Vol. III.
2. History of the Commonwealth of England. *Bisset*.
3. Constitutional History of England. *Hallam*. Chaps. 8-15.
4. Thirty Years' War. *Gardiner*.
5. History of France. *Stephen*. Lectures 20-23.
6. History of Civilization. *Guizot*. Vol. I.

V.

1. History of Frederick the Great. *Carlyle*.
2. History of England in the 18th Century. *Lecky*.
3. The Ancient Régime. *De Tocqueville*. Or
4. The Ancient Régime. *Taine*.
5. History of the French Revolution. *Mignet*.
6. Constitutional History of England. *Hallam*. Chaps. 16-18.

VI.

1. History of Modern Europe. *Alison*. Vols. III, IV, V, VI.
2. Constitutional History of England. *May*.
3. History of Modern Philosophy. *Ueberweg*. (Morris' Translation). Or
4. History of Modern Philosophy. *Morrell*.

For romances in connection with this course see Course B.

D. AMERICAN HISTORY.

I.

1. History of the Ancient North Americans. *Short.* Or
2. Prehistoric Races of the United States. *Foster.*
3. Account of Pre-Columbian Discoveries in his History of the United States. *Ridpath.*
4. Pioneers of France in the New World. *Parkman.*
5. Spanish Conquest of America. *Helps.*
6. History of the United States. *Bancroft.* Vols. II, III. Compared with
7. History of New England. *Palfrey.* Vol. I.

II.

1. History of the United States. *Bancroft.* Vols. II, III. Compared with
History of the United States. *Hildreth.* Chaps. 1-25.
2. Conquest of Mexico. *Prescott.*
3. History of New England. *Palfrey.* Vols. II, III.
4. The Jesuits in North America. *Parkman.*

III.

1. History of the United States. *Bancroft.* Vols. IV, V, VI, VII. Compared with
History of the United States. *Hildreth.* Chaps. 26-30.
2. Taxation no Tyranny. *Dr. Johnson.*
Compared with
Franklin's Examination before the Committee of the House of Commons.
3. History of New England. *Palfrey.* Vol. IV.

4. Lectures on the American War. *Smyth*. In Lectures on Modern History.
5. Common Sense. *Thomas Paine*.
6. Speeches of April 19th, 1774, and On the Reconciliation of America, 1775. *Burke*.
7. The Rise of the Republic. *Frothingham*.

IV.

1. History of the United States. *Bancroft*. Vols. VIII, IX, X. Compared with History of the United States. *Hildreth*. Chaps. 31-43.
2. Life of Washington. *Marshall*.
3. Life of Jefferson. *Randall*.
4. Constitutional and Political History of the United States. *Von Holst*. Vol. I.
5. Consult writings of Washington, Jefferson, John Adams, Franklin, etc., on the Origin of the Federal Government.

V.

1. History of the United States. *Hildreth*. Chaps. 44, 48, and Vol. I of Second Series.
2. The Federalist.
3. History of the Constitution of the United States. *Bancroft*.
4. Democracy in America. *De Tocqueville*. Consult.
5. Constitutional and Political History. *Von Holst*. Vol. II.

VI.

1. History of the United States. *Hildreth*. Second Series. Vols. II, III.
2. Thirty Years' View. *Benton*.
3. Constitutional and Political History. *Von Holst*. Vol. III.

4. History of the Civil Contest. *Greeley.*
 5. A Constitutional View of the War Between the States. *Stephens.*
 6. Slavery and Anti-Slavery. *Goodell.*
- } Compared.

In connection with II and III it is recommended to read some romances treating of the beliefs and customs of the period—as Minister's Wooing, and Old Town Folks, by *Mrs. Stowe.*

PHILOSOPHY.

Metaphysics. A.

I.

1. History of Philosophy; (a) Philosophy of Antiquity. *Morris' Ueberweg*. Vol. I. Pp. 14-137.
2. Socrates and the Socratic Schools. *Zeller*.
3. Plato. History of Ancient Philosophy. *William Archer Butler*. Vol. II.

II.

1. History of Philosophy; (b) Philosophy of Antiquity. *Morris' Ueberweg*. Vol. I. Pp. 137-259.
2. Aristotle's Metaphysics. *J. H. McMahon*.
3. The Stoics. *Zeller*.

III.

1. History of Philosophy; (c) Philosophy of the Christian Era. *Morris' Ueberweg*. Vol. I. Pp. 261-484.
2. Scholasticism; History of Modern Philosophy. *Cousin*. Vol. II. Pp. 13-45. (*Wight's* Translation).
3. Christianity and the Greek Philosophy. *Cocker*.

Metaphysics. B.

I.

1. History of Philosophy; (d) Modern Philosophy. *Morris' Ueberweg*. Vol. II. Pp. 1-135.
2. Review of *Locke* on The Human Understanding. *Cousin*.
3. A Thesis of not less than 3,000 words on Leibnitz.

II.

1. History of Philosophy ; (e) Modern Philosophy. *Morris' Ueberweg*. Vol. II. Pp. 135-347.
2. Critique of the Pure Reason. *Kant*. Edited by *Morris*. (Or *Meiklejohn's* Translation).
3. A Thesis of not less than 3,000 words on Hegelianism.

III.

1. History of Recent British Philosophy. *Masson*.
2. Examination of Mr. J. S. Mill's Philosophy. *McCosh*.
3. Review of Herbert Spencer. *Bowne*.

PHILOSOPHY.

Ethics.

FIRST YEAR.

I.

- ✓ 1. History of Philosophy ; (a) Philosophy of Antiquity. *Morris' Ueberweg*. Vol. I. Pp. 14-137.
- 2. Socrates and the Socratic Schools. *Zeller*.
- 3. Plato. History of Ancient Philosophy. *William Archer Butler*. Vol. II.

II.

- ✓ 1. History of Philosophy ; (b) Philosophy of Antiquity. *Morris' Ueberweg*. Vol. I. Pp. 137-259.
- 2. Aristotle's Ethics. *R. W. Browne*.
- 3. Christianity and the Greek Philosophy. *Cocker*.

III.

- † 1. History of Philosophy ; (c) Philosophy of the Christian Era. *Morris' Ueberweg*. Vol. I. Pp. 261-484.
- 2. Social Morality. *F. D. Maurice*. (Macmillan).
- 3. Four Phases of Morals. *Blackie*.

Ethics.

SECOND YEAR.

I.

- ✓ 1. History of Philosophy ; (d) Modern Philosophy. *Morris' Ueberweg*. Vol. II. Pp. 1-135.
- 2. Metaphysic of Ethics. *Kant*. *Semple*.
- 3. Lectures on the History of Moral Philosophy. *Whewell*.

II.

- † 1. History of Philosophy; (c) Modern Philosophy. *Morris' Ueberweg*. Vol. II. Pp. 135-347.
2. The Method of the Divine Government. *McCosh*. (Macmillan & Co.)
3. Philosophy of the Infinite. *Calderwood*.

III.

1. History of Recent Philosophy. *Masson*.
2. Utilitarianism. *Grote*. Also *McCosh* on Utilitarianism in Chapter XX, of Criticisms of Mill's Philosophy.
3. Conscience. *Joseph Cook*.

* Substitute 2^d Vol. of Maurice's Mor. & Met
Philos.

EVIDENCES OF CHRISTIANITY.

I.

1. History of Christianity. *Milman.*
- ✓ 2. Supernatural Origin of Christianity. ~~Foster.~~ *Fisher.*
3. The Method of the Divine Government. *McCosh.* (Macmillan & Co).

II.

- ✓ 1. Nature and the Supernatural. *Bushnell.*
- ✓ 2. Historical Evidences. *Rawlinson.*
3. Life of Christ. *Geikie.*

III.

1. Christ and other Masters. *Hardwick.*
2. Christianity and The Greek Philosophy. *Cocker.*
3. Keith on the Prophecies.

IV.

1. The Internal Evidences of Revealed Religion. *Erskine.*
- ✓ 2. Divinity of our Lord Jesus Christ. *Liddon.*
- ✓ 3. Undesigned Coincidences. *Blunt.* — *Carter Bros.*

V.

1. Christianity the Religion of Nature. *Peabody.*
2. Analogy of Religion, Natural and Revealed. *Butler.*
- ✓ 3. Evidences of Revelation. *Thomson.*

VI.

1. Critical History of Free Thought. *Farrar.*

- ✓ 2. Evidences of Christianity in the 19th Century. *Barnes*.
3. Christianity and Positivism. *McCosh*. (Macmillan & Co).

Any one of the following subjects may be selected for a Thesis :—

1. Modern Christology. 2. A Critical Review of *Renan's* "Life of Jesus." 3. An Argument in the Evidences drawn from the Topography of the Holy Land.

Take The 7 checked Nos^s for second
year work -

W. P. C -

POLITICAL & CONSTITUTIONAL HISTORY.

I.

1. Constitutional History of England, from its Origin to Henry VII. *William Stubbs.*
2. Constitutional History of England from Henry VII to George IV. *Hallam.*
3. The Government of England—its Structure and its Development. *W. B. Hearn.*
4. Ancient Law. *H. Maine.*

II.

1. The Constitutional History of England, since the Accession of George III. *T. E. May.*
2. The Imperial and Colonial Constitutions of the Britannic Empire. *Sir Edward Creasy.*
3. Civil Service in Great Britain. *D. B. Eaton.*
4. Political Science. *T. D. Woolsey.*

III.

1. The Rise of the Republic of the United States. *R. Frothingham.*
2. History of the Constitution of the United States. *B. T. Curtis.*
3. The Nation. *E. Mulford.*
4. Proportional Representation. *R. C. Buckalew.*

IV.

1. Political and Constitutional History of the United States. *H. Von Holst.*
2. Thirty Years' View. *T. Benton.*
3. Political Ethics. *Francis Lieber.*

V.

1. Slavery and Anti-Slavery. *William Goodell.*
2. The American Conflict. *H. Greeley.* Compared with
3. A Constitutional View of the War between the States. *A.*
H. Stephens. Or with
4. The Lost Cause. *H. Pollard.*
5. On Liberty. *J. S. Mill.*
6. Physics and Politics. *W. Bagehot.*

VI.

A Comparative Study of the Constitutions of the several States of the American Union,—using for this purpose,

1. The Federal and State Constitutions, etc. *Ben Perley Poore.*
Or
2. Federal and State Constitutions, etc. *Franklin B. Hough.*

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